

IN THE CLAIMS:

Claims 1-8. (Cancelled).

9. (Currently Amended) An image forming apparatus comprising:

an envelope including first and second substrates and a frame disposed between said first and second substrates and forming a clearance therebetween;

image forming means disposed between said first and second substrates within said envelop, said image forming means including an electron emitting device disposed on said first substrate and an image forming member disposed on said second substrate, said image forming member forming an image responsive to an irradiation with an electron emitted from said electron emitting device; and

a heat insulating member for suppressing a thermal leakage ~~of heat generated by said envelope~~, said insulating member disposed on an outer surface of said envelope, including surfaces of said frame and said first substrate, and a surface of said second substrates substrate except for a surface region on which said image forming means is arranged, wherein a quantity of heat generated by said second substrate during operation of said image forming means ~~on at least one of said first and second substrates apparatus is greater than that of said first substrate.~~

10. (Currently Amended) An image forming apparatus comprising:

an envelope including first and second substrates and a frame disposed between said first and second substrates and forming a clearance therebetween;

image forming means disposed between said first and second substrates within said envelope, said image forming means including an electron emitting device disposed on said first substrate and an image forming member disposed on said second substrate, said image forming member forming an image responsive to an irradiation with an electron emitted from said electron emitting device; and

a heat insulating member for suppressing a thermal leakage of heat generated by said envelope, said member disposed on an outer surface of said envelope, including surfaces of said frame and said first and second substrates except for a surface region of said image forming means on both of said first and second substrates.

Claims 11-16. (Cancelled).

17. (Original) An image forming apparatus according to claim 9, further comprising a heat conducting member disposed between an exterior surface of said envelope and said heat insulating member.

18. (Original) An image forming apparatus according to claim 10, further comprising a heat conducting member disposed between an exterior surface of said envelope and said heat insulating member.

19. (Currently Amended) An image forming apparatus according to claim [[11]] 26, further comprising a heat conducting member disposed between an exterior surface of said envelope and said heat insulating member.

20. (Cancelled).

21. (Original) An image forming apparatus according to claim 9, wherein said heat insulating member has a thermal conductivity smaller than said envelope.

22. (Original) An image forming apparatus according to claim 17, wherein said heat conducting member has a thermal conductivity larger than said envelope.

23. (Original) An image forming apparatus according to claim 18, wherein said heat conducting member has a thermal conductivity larger than said envelope.

Claims 24 and 25. (Cancelled).

26. (New) An image forming apparatus comprising:
an envelope including first and second substrates and a frame disposed between said first and second substrates and forming a clearance therebetween;
image forming means disposed between said first and second substrates within said envelope, said image forming means including an electron emitting device disposed on said first substrate and an image forming member disposed on said second substrate, said image forming member forming an image responsive to an irradiation with an electron emitted from said electron emitting device; and
a heat insulating member for suppressing a thermal leakage, said insulating member disposed on an outer surface of said envelope, including surfaces of said

frame and said second substrate, and a surface of said first substrate except for a surface region on which said electron emitting device are arranged, wherein a quantity of heat generated by said first substrate during an operation of said image forming apparatus is greater than that of said second substrate.

27. (New) An image forming apparatus according to claim 26, wherein said heat insulating member has a thermal conductivity smaller than said envelope.

28. (New) An image forming apparatus according to claim 19, wherein said heat conducting member has a thermal conductivity larger than said envelope.

29. (New) An image forming apparatus according to claim 10, wherein said heat insulating member has a thermal conductivity smaller than said envelope.